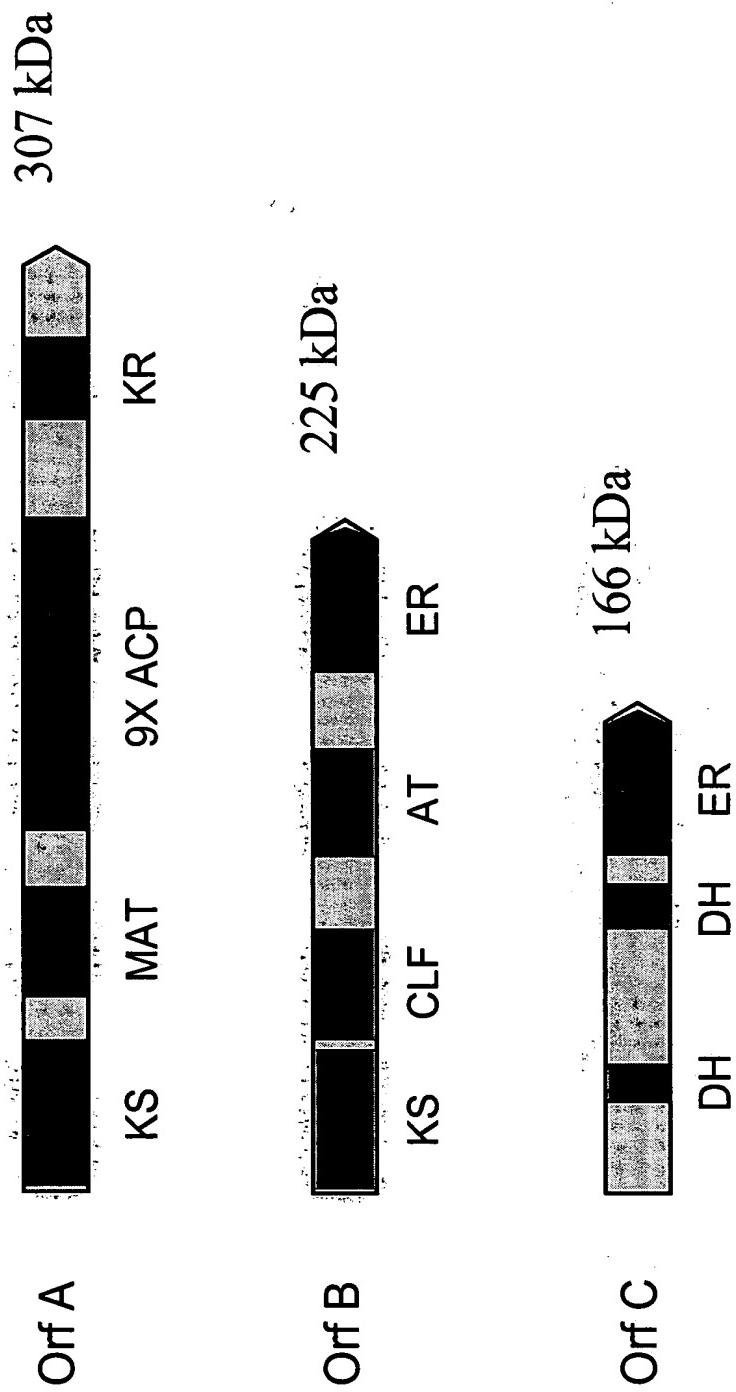


Title of Invention: "PUFA POLYKETIDE SYNTHASE SYSTEMS AND USED
THEREOF"
Inventor's Name: METZ et al.
Serial No. Not Yet Assigned
Docket No. 2997-49
Agent: Angela Dallas Sebor
Telephone: 303/863-9700

Sheet 1 of 3 sheets

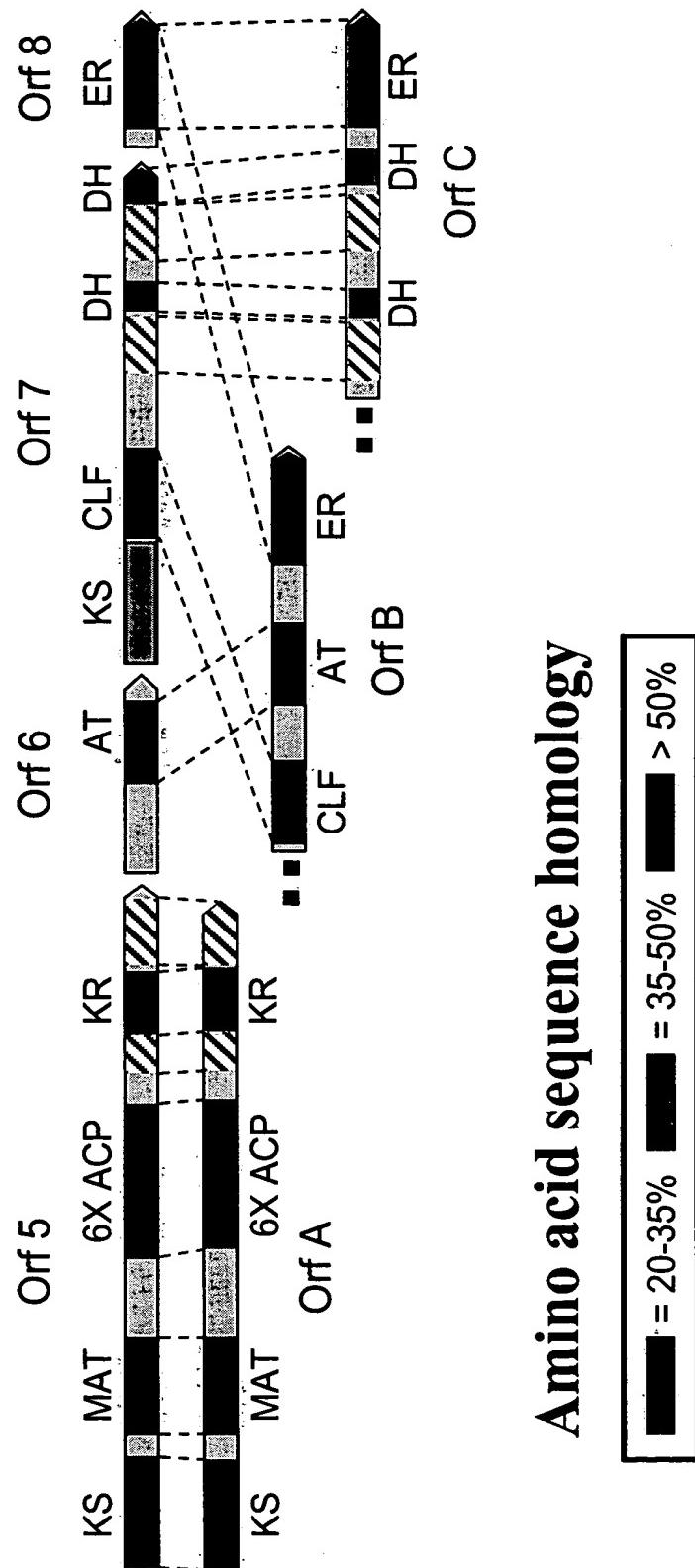
FIG. 1



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FIG. 2

Comparison of PKS Orfs/domains:
Schizochytrium vs *Shewanella*



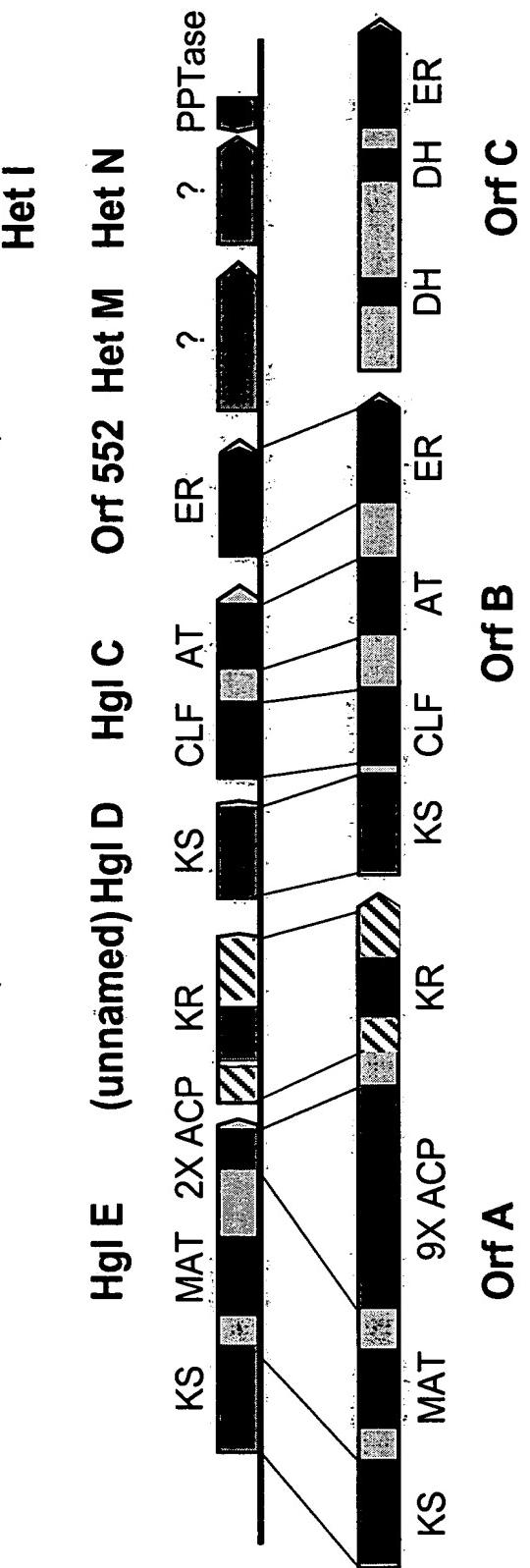
Amino acid sequence homology

■ = 20-35% ■ = 35-50% ■ > 50%

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FIG. 3

Nostoc (7120) vs *Schizochytrium*
Nostoc ORFs in the HgI/Het cluster
 (linear order on the chromosome)



Schizochytrium PUFA PKS ORFs
 (separate Orfs)

% Identity
 █ = 20-35% █ = 35-50% █ > 50%

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